

Synopses of Modules

Foundation Science

This module aims to provide students with fundamentals & basic understanding of principles of engineering mathematics, chemistry, physics, fire science and its properties.

Fire Safety Regulations

This module aims to familiarise students with the current Code of Practice and Fire Safety Act & Regulations which are administered in Singapore. It provides students with technical knowledge of fire safety requirements of buildings in Singapore

Fire Operations

This module provides basic understanding of fire fighting strategy, techniques & capabilities of SCDF.

Performance-Based Fire Safety Engineering

This module aims to provide students with an understanding of the various types of computational tools used in evaluation, simulation and prediction of fire situations, reliability and design of fire safety systems, etc.

Fire Investigations

This module aims to provide students with an understanding of conducting a thorough investigation into fire incidents.

Building Design

This module introduces the components of services which are essential and need to be incorporated into different types of building designs.



DIPLOMA IN FIRE SAFETY ENGINEERING

Corporate Affairs Centre
Civil Defence Academy
101 Jalan Bahar
Email : scdf_cda@scdf.gov.sg
Website : <http://www.scdf.gov.sg>
Tel : 65-6794 5502 / 65-6794 5606
Fax : 65-6794 5591



Introduction

The Singapore Civil Defence Force will be introducing a new diploma course in fire safety engineering in June 2009. This course, offered on a part-time basis at the Civil Defence Academy, is designed for both SCDF Officers who are keen to upgrade themselves through education and also for working professionals in the fire safety and facilities management related field.

Learning Objectives

The objective of the Diploma is to train professionals as Fire Safety Specialists, up to the Technical Officer level. It aims to provide opportunities for graduates to acquire the required technical skills and specialist knowledge necessary to assess, evaluate and recommend fire safety solutions.

Contents

Participants will have to undertake 6 modules, covering foundation science, fire safety regulations, fire operations, performance-based fire safety engineering, fire investigations, and building design. The modules will be lectured/ taught by mainly SCDF Officers and selected external lecturers with a wide range of experiences in their respective field.

Delivery Approach

- Lectures
- Practical sessions
- Project work
- On the job training/ attachment

Note:

1. *Holder of the Diploma in Fire Safety Engineering qualify to be a registered Fire Safety Manager.*
2. *Graduates from the Diploma in FSE will be eligible for credits that will enable exemptions for certain modules in the Bachelor's Degree of Social Science (Emergency Management) offered by Charles Sturt University, Australia. Please refer to Course Administrator for further details and latest information.*

Entry Requirements

1. Applicants must have at least 5 GCE 'O' level examination passes including attaining the following grades in:
 - English Language : Grade 1 – 7
 - Mathematics (Elementary/ Additional) : Grade 1 – 6
 - Any Science subject : Grade 1 – 6
 - Any two other subjects : Grade 1 – 6
2. SCDF applicants must have a minimum of 3 years service.
3. Preference will be given to those with relevant working experience.

Duration

- 3 years (Part - Time)
- Twice a week. Weekdays evening only. (6.00pm to 9.00pm)

Date of Commencement

22 June 2009. (Year 1)
21 June 2010. (Year 2)
20 June 2011. (Year 3)

Course Fee

- \$ 3, 095 (Year 1)
- \$ 4, 242 (Year 2)
- \$ 4, 714 (Year 3)

(Prices above are inclusive of 7% GST and subject to revision)

Subsidies Available

Skills Development Fund (SDF)

Visit <http://www.sdf.gov.sg> or email wda_sdf@wda.gov.sg for more information.

Application Procedures

Registration for the above course is to be made over at the Corporate Affairs Centre, Civil Defence Academy. All registration will have to be completed with payment. Payment can be made using nets or credit card (VISA or Mastercard). For company sponsored applicants, payment is to be made using company's cheque or through a giro deduction.

All successful registrants will be notified of the course confirmation closer to the course commencement.

For Enquiry

Please contact us at:

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About Civil Defence Academy

The Civil Defence Academy (CDA) conducts training courses for various vocations and specialisations, ranging from firefighters to medics to physical training instructors (PTIs) and officers, both senior and junior. Although primarily to prepare recruits freshly graduated from the Basic Rescue Training Centre (BRTC) for operational duty, the CDA also frequently hosts guest trainees from outside the SCDF, including fire brigades and emergency crews from other nations. While courses such as the International Fire-fighting Course are specially designed and held for these guests, some of these guests trainees train together with Singapore trainees in the Emergency Response Specialist (ERS) Course and/or Basic Officer Course (BOC), graduating together with NSFs and regulars as either junior specialist or senior officer.

